## **CLAIMS**

We claim:

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- 1 1. A method of delivering an application or service to a subscriber, said method comprising 2 the steps of:
- 3 (1) receiving a packet requesting delivery of said application or service from said 4 subscriber at a communication device;
  - (2) retrieving a subscriber context referencing policies that describe applications and services available to said subscriber;
  - (3) comparing said application or service requested by said packet with policies referenced by said subscriber context to identify matching policies;
  - (4) referencing a service policy accessible for describing said application or service when requested by other subscribers to obtain a description of said matching policies; and
  - (5) delivering said requested application or service from a service provider to said subscriber via said communication device according to said description of said matching policies obtained from said service profile.
- The method of claim 1, wherein each application or service is described by a single set of policies in said service profile, and wherein each request for said application or service is fulfilled according to said single set of policies.
- A method of delivering applications or services via a communication device in
  communication with a service provider and a subscriber, said method comprising the steps of:

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- 4 (2) obtaining a subscriber context that references applications or services available to
- 5 said subscriber by attempting to identify said subscriber, and authenticating said subscriber when
- 6 said subscriber is not identified;
- 7 upon identifying or authenticating said subscriber, performing the steps of:
- 8 (3) comparing said subscriber context with said packet; and
  - (4) delivering one or more applications or services requested by said packet that are also referenced by said subscriber context from said service provider through said communication device to said subscriber.
  - 4. The method of claim 3, wherein said step of obtaining a subscriber context further comprises comparing said packet with packet source information accessible by said communication device.
  - 5. The method of claim 3, wherein said step of authenticating further comprises the step of dynamically retrieving said subscriber context from an off-communication device data store.
- 1 6. The method of claim 3, wherein said packet source information comprises identifiers for
- 2 identifying an interface through which said packet was received.
- 1 7. The method of claim 6, wherein said identifiers comprise at least one of: an IP address; a
- 2 PPP session number; an ATM VCI or VPI; a physical interface number; or a VLAN tag.
- 1 8. The method of claim 3, wherein said comparing comprises comparing packet fields of
- 2 said packet and of said subscriber context.

- 1 9. The method of claim 8, wherein said packet fields comprise at least one of: a source or
- destination IP address; a source or destination TCP/UDP port number; VLAN tag; or ToS/DSCP.
- 1 10. The method of claim 3, wherein services and applications are delivered according to
- 2 inbound and outbound policies, and wherein a least restrictive policy is applied.